UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

1933

7590

02/25/2008

FRISHAUF, HOLTZ, GOODMAN & CHICK, PC 220 Fifth Avenue 16TH Floor NEW YORK, NY 10001-7708

EXAMINER

WILLIAMS, HOWARD L

ART UNIT PAPER NUMBER

2819

DATE MAILED: 02/25/2008

APPLICATION NO.	FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,752	08/25/2006	Masaaki Fuse	06563/LH	1205

TITLE OF INVENTION: TIME-INTERLEAVED ANALOG-TO-DIGITAL CONVERTER AND HIGH SPEED SIGNAL PROCESSING SYSTEM

USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	05/27/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further adicated unless correcte anintenance fee notificate	ed below or directed oth	ng the Patent, advance or nerwise in Block 1, by (a	ders and notification a) specifying a new co	of m orresp	aintenance fees wi condence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspo rate "FEI	ndence address as E ADDRESS" for
CURRENT CORRESPONDI]	Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, n have its own certificate of mailing or transmission.				ner accompanying			
1933	7590 02/25	/2008	,	nave			of Mailing or Transi	niccion	
220 Fifth Avenu 16TH Floor	e	AN & CHICK, PC		I here State addre trans	eby certify that this s Postal Service wi essed to the Mail mitted to the USPT	Fee(s ith suf Stop O (57	b) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	deposite t class m above, o ate indica	d with the United ail in an envelope r being facsimile ted below.
NEW YORK, N	Y 10001-7708								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO]	RNEY DOCKET NO.	CONFI	RMATION NO.
10/590,752	08/25/2006	•	Masaaki Fuse				06563/LH		1205
ITLE OF INVENTION SING THE SAME	N: TIME-INTERLEAV	ED ANALOG-TO-DIG	TAL CONVERTER	R AN	D HIGH SPEED	SIGN	IAL PROCESSING	SYSTEM	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740	05/27/2008	
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
WILLIAMS,	HOWARD L	2819	341-120000						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	inting on the patent front page, list names of up to 3 registered patent attorneys s OR, alternatively, name of a single firm (having as a member a dd attorney or agent) and the names of up to ordered patent attorneys or agents. If no name is o name will be printed.					
PLEASE NOTE: Unl	ess an assignee is identi n in 37 CFR 3.11. Comp	A TO BE PRINTED ON T ified below, no assignee oletion of this form is NO	data will appear on th	ne pa g an a	tent. If an assigne ssignment. and STATE OR CO	OUNT	RY)		_
lease check the appropri	iate assignee category or	categories (will not be pr	inted on the patent):	<u> </u>	Individual 🖵 Cor	porati	on or other private gro	up entity	Government
a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
_ ~ .	t <mark>us (from</mark> status indicated s SMALL ENTITY statu	,	□ h Applicant is no	Iona	or alaiming SMAL	r ienti	TITY status. See 37 CF	D 1 27/a)(2)
OTE: The Issue Fee and	d Publication Fee (if reg	uired) will not be accepted tes Patent and Trademark	from anyone other th					-	
Authorized Signature					Date				
Typed or printed name					-				
his collection of inform n application. Confident ibmitting the completed iis form and/or suggesti ox 1450, Alexandria, V lexandria. Virginia 223	tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (on is required to obtain 1.14. This collection is depending upon the in the Chief Information Of COMPLETED FORMS	or re s esti ndivi fficer S TO	etain a benefit by the mated to take 12 m dual case. Any cor t, U.S. Patent and T THIS ADDRESS.	e publ ninutes nment Traden SENI	ic which is to file (and to complete, includin s on the amount of tir nark Office, U.S. Depa D TO: Commissioner f	by the Ug gathering you re ne you re or Patent	rsPTO to process) ng, preparing, and quire to complete f Commerce, P.O. s, P.O. Box 1450,

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450

P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/590,752	08/25/2006	Masaaki Fuse	06563/LH	1205	
1933 75	90 02/25/2008		EXAM	IINER	
FRISHAUF, HO	LTZ, GOODMAN &	WILLIAMS, HOWARD L			
220 Fifth Avenue		ART UNIT PAPER NUMBE			
16TH Floor NEW YORK, NY	10001-7708	2819 DATE MAILED; 02/25/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/500 750	EUSE ET AI		
Notice of Allowability	10/590,752 Examiner	FUSE ET AL. Art Unit		
· · · · · · · · · · · · · · · · · · ·		0040		
	Howard Williams	2819		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communication is substantial MPEP 1308.	nis application. If not incluc cation will be mailed in due oject to withdrawal from iss	ded e course. THIS	
1. X This communication is responsive to the amendment and	remarks filed 23 January 2008.			
2. ☑ The allowed claim(s) is/are <u>1-21</u> .				
 Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		(f).		
2. Certified copies of the priority documents have		No		
3. ☑ Copies of the certified copies of the priority do	• •		ation from the	
International Bureau (PCT Rule 17.2(a)).		3 11		
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.			
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 			NOTICE OF	
5. 🔲 CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.			
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	2			
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in			ne back) of	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 			Note the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Infor	mal Patent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Sum	* *		
3. Information Disclosure Statements (PTO/SB/08),	7. 🔲 Examiner's Ar			
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	t 8. ☐ Examiner's Statement of Reasons for Allowance			
-	9.			
	/Howard Williams/ Primary Examiner Art Unit: 2819			